Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/31/2021 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123196	-2	1.54	123059	1.56
Blue	F	SSC	125000	123427	-2	3.11	123744	2.99
Blue	E	FITC	14400	13854	-4	2.45	318	15.22
Blue	D	PE	24713	24199	-3	1.85	555	10.64
Blue	B	PerCP-Cy5-5	31796	30983	-3	3.12	1023	14.43
Blue	A	PE-Cy7	21240	20931	-2	5.28	559	28.67
Red	C	APC	41319	41001	-1	2.99	1720	11.09
Red	A	APC-Cy7	21019	20483	-3	3.28	763	11.67
Violet	B	V450	7305	7035	-4	3.60	425	12.32
Violet	A	V500	28652	27688	-4	3.16	692	9.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23175	1.60	563	-6	N/A	N/A	Pass
Blue	F	SSC	57489	1.79	517	5	N/A	N/A	Pass
Blue	E	FITC	59	49.42	490	-1	0.0403	0	Pass
Blue	D	PE	116	36.16	488	1	0.4159	287	Pass
Blue	B	PerCP-Cy5-5	189	35.67	585	1	0.0203	65	Pass
Blue	A	PE-Cy7	111	66.53	632	2	0.0226	0	Pass
Red	C	APC	400	22.71	573	0	0.0295	132	Pass
Red	A	APC-Cy7	172	26.96	544	-1	0.0062	777	Pass
Violet	B	V450	60	61.35	455	-1	0.0634	2215	Pass
Violet	A	V500	99	32.43	469	-1	0.0250	546	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.72	-31.37	1.04
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.86	15.99 - 23.99	N/A	N/A	29.76	30.05	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15396

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments